

Title (en)
High-pressure cleaner with air-cooled motor.

Title (de)
Hochdruckreiniger mit luftgekühltem Motor.

Title (fr)
Nettoyeur haute pression avec moteur refroidi par air.

Publication
EP 0546202 A1 19930616 (EN)

Application
EP 91121016 A 19911207

Priority
EP 91121016 A 19911207

Abstract (en)
In a high-pressure cleaner of the kind comprising a) a pump (1-3) for pumping cleaning liquid, the drive mechanism (12) of which is driven by b) an air-cooled motor (7), further c) an air cooler (8) adapted to be cooled by said cleaning liquid on its way to said pump (1-3), and d) air-circulating means (6) adapted to circulate air between said motor (7) and said air cooler (8) in an enclosure (4,23) containing the motor and the air cooler, the main novel feature is e) that that part (14) of said air cooler (8), through which said cleaning liquid flows, is in intimate thermal contact with or integral with a housing (11) containing the drive mechanism (12) of said pump (1-3). With this arrangement, the cooling capacity of the cleaning liquid flowing towards the pump (13) is also utilized for cooling the mechanism (12) moving the pump's pistons (2), in the example shown a swash-plate mechanism. <IMAGE>

IPC 1-7
B08B 3/02

IPC 8 full level
B08B 3/02 (2006.01)

CPC (source: EP US)
B08B 3/026 (2013.01 - EP US); **B08B 2203/0235** (2013.01 - EP US); **B08B 2203/0294** (2013.01 - EP US)

Citation (search report)
• [AD] EP 0420473 A1 19910403 - BLACK & DECKER INC [US]
• [A] DE 3047493 A1 19820701 - KAERCHER GMBH & CO ALFRED [DE]
• [A] FR 2504206 A1 19821022 - KAERCHER GMBH & CO ALFRED [DE], et al

Cited by
DE19860751A1; WO2020220504A1

Designated contracting state (EPC)
AT BE CH DE DK ES FR GB GR IT LI LU NL SE

DOCDB simple family (publication)
EP 0546202 A1 19930616; EP 0546202 B1 19941109; AT E113871 T1 19941115; DE 69105142 D1 19941215; DE 69105142 T2 19950323; DK 0546202 T3 19950418; US 5338162 A 19940816

DOCDB simple family (application)
EP 91121016 A 19911207; AT 91121016 T 19911207; DE 69105142 T 19911207; DK 91121016 T 19911207; US 17067093 A 19931220